

Wed Sep 30 02:38:56 GMT 2009



Advisory in effect

Tsunami message from WCATWC

To: U.S. West Coast, Alaska, and British Columbia coastal regions

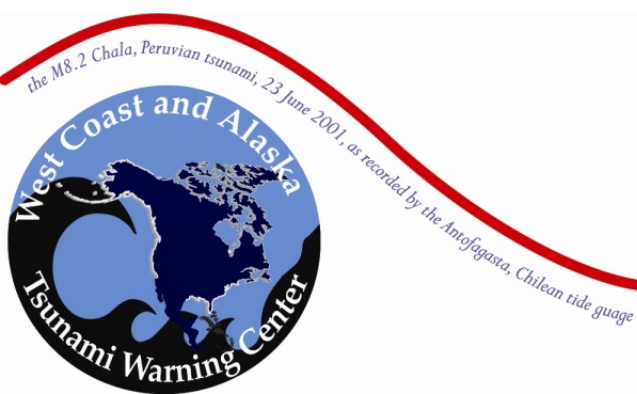
From: NOAA/NWS/West Coast and Alaska Tsunami Warning Center

Subject: Tsunami Advisory #6 issued 09/29/2009 at 7:24PM PDT

A Tsunami Advisory is in effect which includes the coastal areas of California and Oregon from the California-Mexico border to the Oregon-Washington border.

This message is for **Information Only** for coastal areas of Washington, British Columbia and Alaska from the Oregon-Washington border to Attu, Alaska.

A **Tsunami Advisory** means that a tsunami capable of producing strong currents or waves dangerous to persons in or very near the water is imminent or expected. Significant, widespread



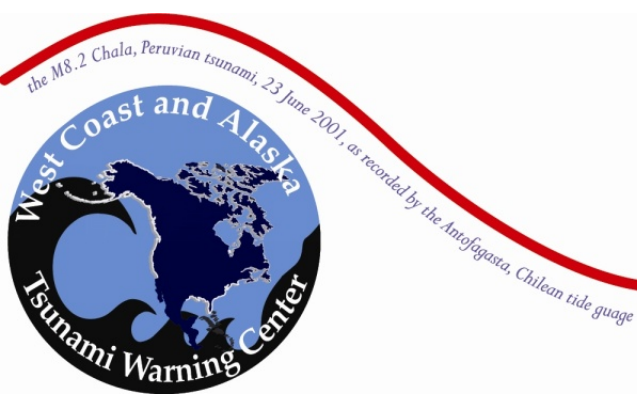
inundation is not expected for areas under an advisory. Currents may be hazardous to swimmers, boats, and coastal structures and may continue for several hours after the initial wave arrival.

At 10:48 AM Pacific Daylight Time on September 29, an earthquake with preliminary magnitude 8.0 occurred in the Samoa Islands region. (Refer to the United States Geological Survey for official earthquake parameters.) This earthquake **has** generated a tsunami which could cause damage to coastal regions in a warning or advisory. Estimated tsunami arrival times and maps along with safety rules and other information can be found on the WCATWC web site.

A tsunami has been observed at the following sites:

Location	Lat.	Lon.	Time	Amplitude
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Apia West Samoa	13.8S	171.8W	1829UTC	0.70M/2.3ft
Pago Pago Amer. Samoa	14.3S	170.7W	1825UTC	1.57M/5.1ft
Rarotonga Cook Is. (NZ)	21.2S	159.8E	1950UTC	0.54M/1.8ft
Papeete Fr. Polynesia	17.5S	149.6W	2137UTC	0.14M/0.5ft
Port Vila Vanuatu	17.8S	168.3E	2239UTC	0.18M/0.6ft
Nawiliwili Kauai HI	22.0N	159.4W	0015UTC	0.20M/0.7ft
Kawaihae HI	20.0N	155.8W	0009UTC	0.14M/0.7ft
Honolulu Oahu HI	21.3N	157.9W	0031UTC	0.16M/0.5ft
Kahului Maui HI	20.9N	156.5W	0113UTC	0.36M/1.2ft

The peak tsunami amplitudes have passed in Hawaii. The maximum amplitude was recorded at the tide gage in Kahului. Observations in Hawaii support forecasts of 10 to 60cm along the California and Oregon coasts. Tsunamis of 50cm amplitude can generate strong



currents dangerous to those very near or in the ocean. The tsunami is expected to build and reach its maximum approximately one and a half hours after the initial arrival. Tsunami arrival times and other amplitude forecasts are listed in the web site below.

Time - Time of measurement.

Amp. - Tsunami amplitudes are measured relative to normal sea level. It is **NOT** crest-to-trough wave height. Values are given in both meters (M) and feet (FT).

Tsunamis can be dangerous waves that are not survivable. Wave heights are amplified by irregular shoreline and are difficult to forecast. Tsunamis often appear as a strong surge and may be preceded by a receding water level. Mariners in water deeper than 600 feet should not be affected by a tsunami. Wave heights will increase rapidly as water shallows. Tsunamis are a series of ocean waves which can be dangerous for several hours after the initial wave arrival. DO NOT return to evacuated areas until an all clear is given by local civil authorities.

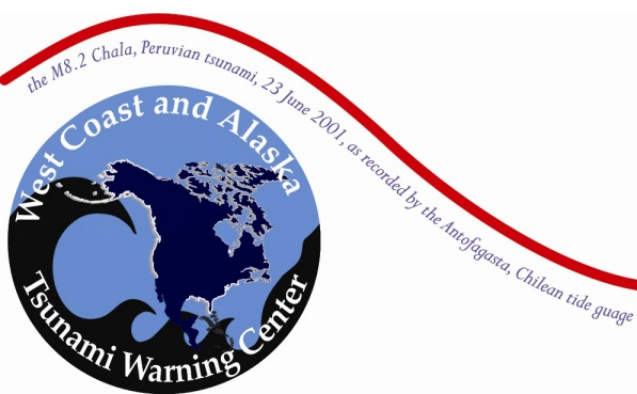
This message will be updated in 120 minutes or sooner if the situation warrants. The tsunami message will remain in effect until further notice. For further information stay tuned to NOAA Weather Radio, your local TV or radio stations, or see the WCATWC web site.

[Link to Standard Warning Message](#)

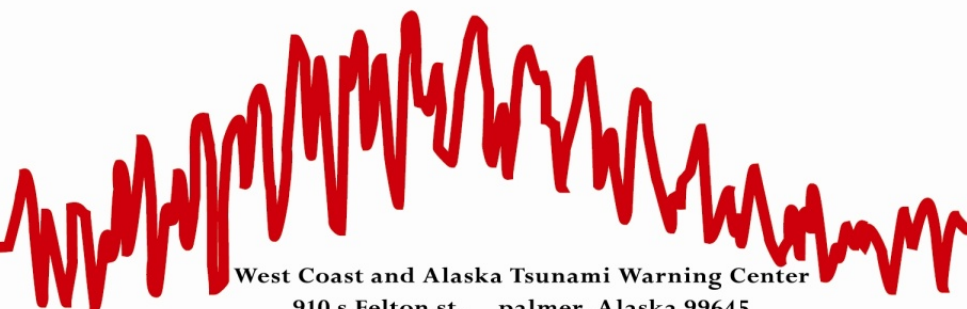
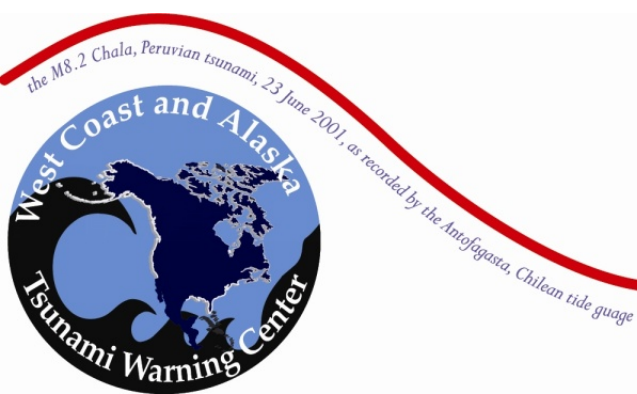
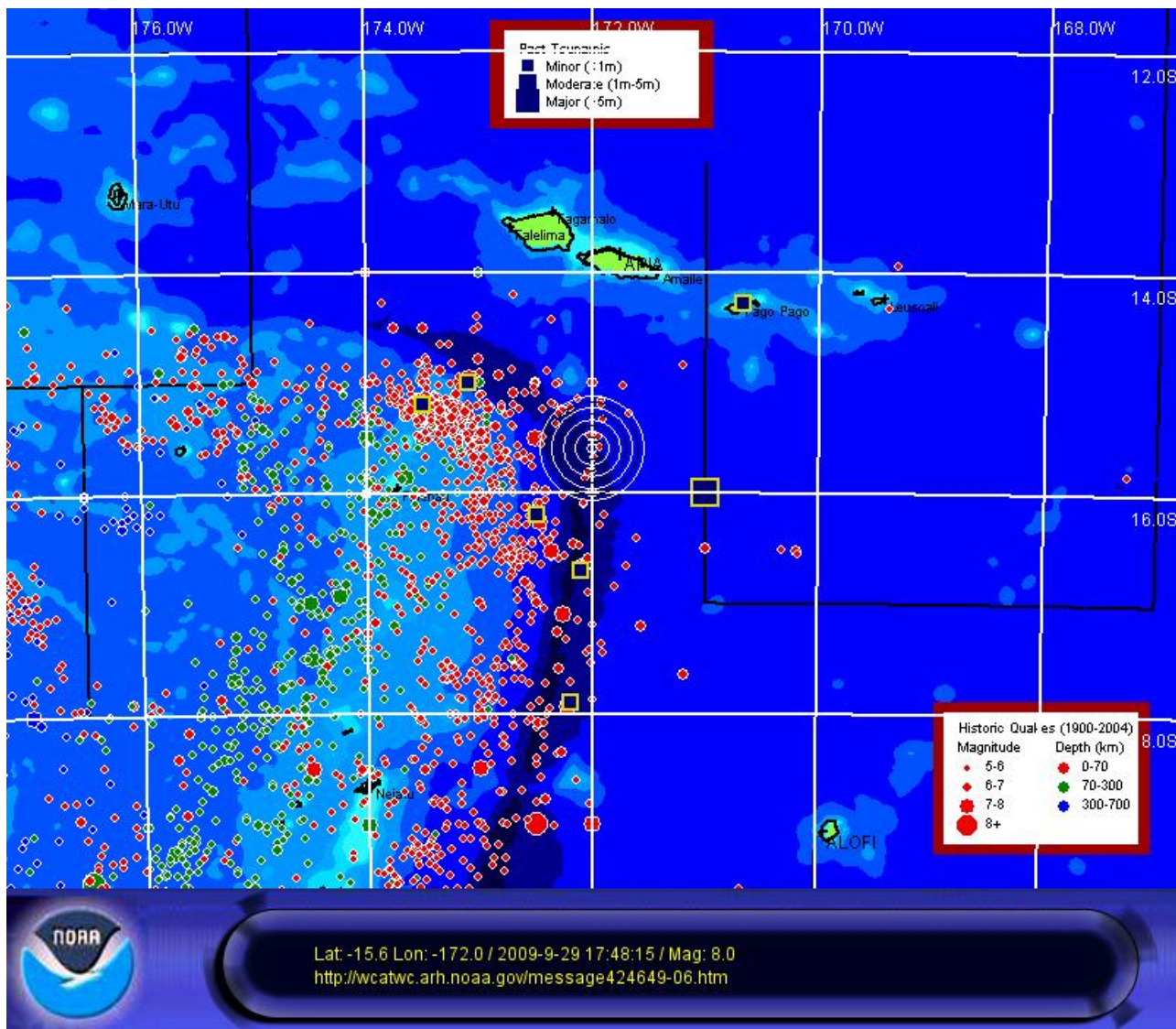
[Link to Public Warning Message](#)

[Link to XML/CAP Message](#)

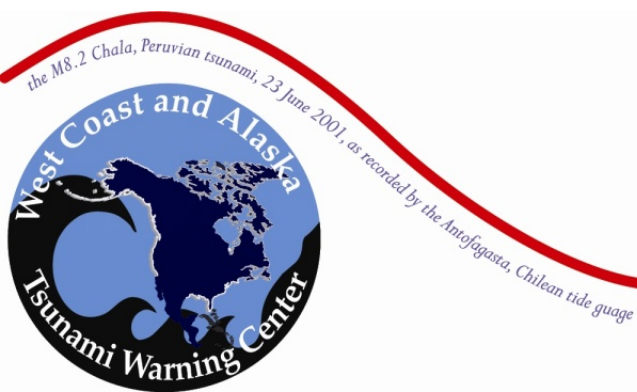
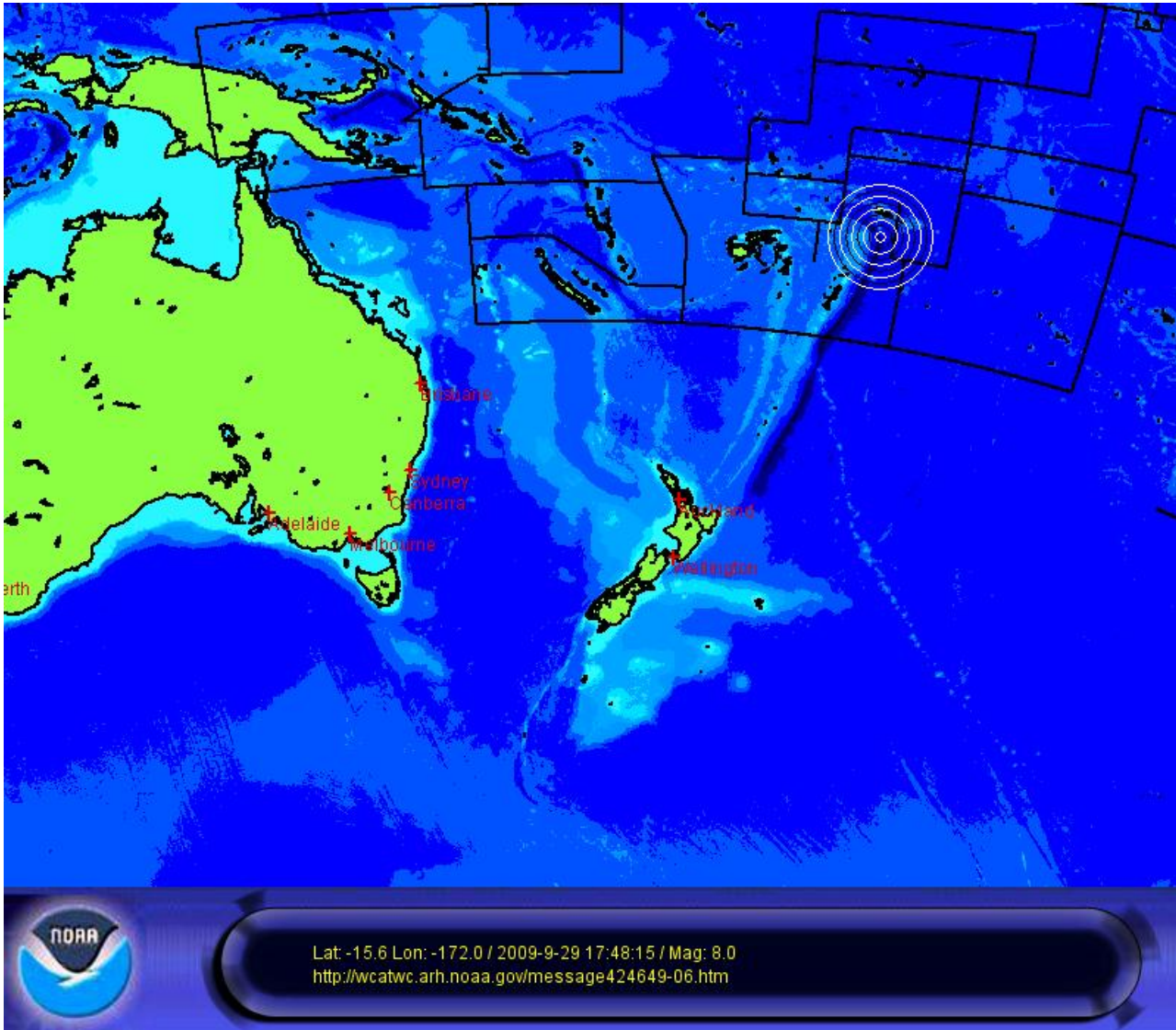
[Link to Printable Message](#)



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